



**VOLUNTARY REMEDIATION PROGRAM
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

PROJECT SUMMARY

Site Name:	Toro Company (Former)
Applicant's Name:	The Toro Company
Site Location:	515 West Ireland Road South Bend St. Joseph County
VRP Site Number:	6960804
Project Manager:	Ed Joniskan
Date Application Received:	August 19, 1996
Date Project Completed:	March 16, 1999
Project Duration:	2 years, 7 months
Contaminant Group(s):	Volatile Organic Compounds (VOCs)
Media Cleaned Up:	Surface Soil, Subsurface Soil, Groundwater
Cleanup Goals Achieved:	Tier II Nonresidential
Deed/Land Use Restrictions:	Nonresidential

Project Description: The site consists of a single large building that formerly housed both manufacturing and administrative offices. The facility was formerly used to manufacture lawnmowers and garden tractors. Processes included welding, metal cleaning, and painting.

Site investigations have been conducted since 1985 in response to the detection of the VOC trichloroethene (TCE) and *cis*-1,2-dichloroethene in the groundwater from a monitoring well on the east side of the building. Subsurface investigations detected relatively low concentrations of VOCs in surface and subsurface soil samples in a former drum storage handling and staging area. Groundwater impacts limited to the upper portion of the aquifer extend from the east side of the plant building to the northern property boundary along the direction of groundwater flow. Data suggest that the source of VOCs in groundwater was on the east-central side of the plant building.

An investigation of the sanitary sewers placed both inside and outside the plant building detected VOCs in the sediments from all sampling locations, suggesting that the sewers could be a potential source of VOCs detected in the groundwater beneath the site.

The site is in an area where both known and unknown sources of VOCs have been affecting the water quality of the city's South Well Field. The company has agreed to participate in the funding of a treatment system for the South Well Field that will treat the groundwater at that location so that the finished water to be distributed from the South Well Field contains VOCs only at concentrations below MCLs. Also, there are no recorded wells used for drinking water downgradient from the site other than those at the South Well Field.

The company voluntarily agreed to remediate a former storm water retention pond in the northwest property corner (VRP project #6950502).